1906.

Northwich Rural District Council.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

AND

Vital Statistics, &c.,

For the Year ending Dec. 31st, 1906.

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NORTHWICH RURAL DISTRICT.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR THE YEAR 1906.

Population at Census, 1901	**20,923**
„ Estimated to middle of 1906	**23,700**
Area in Acres	**54,301**
Birth Rate per 1,000 living	**24·4**
Death „ „ „ „	**11.3**
„ „ from seven principal Zymotic Diseases	**·8**
Deaths under 1 year, to 1,000 Births	**101**

During 1906, the excess of births over deaths was 277 throughout the whole district, which for registration purposes has been sub-divided into 4 Sub-districts.

1. WEAVERHAM, having an area of 18,000 acres, includes Acton, Barnton, Crowton, Cuddington, Delamere, Eddisbury, Hartford, Little Leigh, Oakmere, and Weaverham.

2. NORTHWICH, having an area of 10,891 acres, includes Allostock, Anderton, Cogshall, Comberbach, Leftwich, Lostock Gralam, Marbury, Marston, Nether Peover, Wincham, and Winnington.

3. OVER, having an area of 12,472 acres, includes Clive, Darnhall, Eaton, Little Budworth, Marton, Moulton, and Wimboldsley.

4. MIDDLEWICH, having an area of 12,938 acres, includes Bostock, Byley, Davenham, Kinderton, Lach Dennis, Rudheath, Stanthorne, Sproston, and Whatcroft.

The population for the Rural District was estimated to be 23,700 in the middle of the year, which is distributed amongst the four districts as follows:

Weaverham	...	9,250	23,700
Northwich	...	8,210	
Over ...	...	2,990	
Middlewich	...	3,250	

Births.—The total number of births registered is 590, which is 23 less than last year, and 65 less than the ten years' average. The rate is 24·4 per 1,000.

Of these births 299 are of males and 291 of females, while 110 of them were in Weaverham, 103 in Northwich, 39 in Over, and 47 in Middlewich. Twenty-six of these births are of illegitimate children, which is equal to 1·09 per 1,000 of the population or 4·4% of births. The full quarterly details are shown in Supplementary Table I.

Deaths.—The total number of deaths registered is 268, of which 103 occurred in Weaverham, 102 in Northwich, 31 in Over, and 32 in Middlewich, while 5 occurred in the Isolation Hospital at Leftwich. Thirty-three deaths were from zymotic and septic diseases, 20 from consumption of the lungs, and 11 from consumption of other organs, 12 from cancer, 33 from diseases of the lungs other than consumption, 5 from alcoholism, 19 from diseases of the heart, 13 from accidents, 1 from suicide, 34 from old age, and the remainder from various other causes.

There were 19 inquests held: Accidental drowning being the verdict in 4 cases, scalds in 1, suicidal poisoning 1, 6 natural causes, and run over by trains and traps 3. One death was uncertified, an old person 77 years of age.

The death rate is 11·3 per 1,000, which is the actual lowest for ten years, and 2·7 less than the average.

The birth rate is more than double the death rate.

The number of deaths of illegitimate children under 1 year is 6.

Infantile Mortality.—The number of deaths of infants under 1 year is 60: 18 being in Weaverham, 27 in Northwich, 6 in Over, and 7 in Middlewich.

The rate per 1,000 of living persons is 2·5, and the rate per 1,000 births is 101, which is the lowest for ten years; but it still shows that the Infantile Population is decimated during its first year.

The Tables V give a detailed account of the different causes and ages of the deaths, and it will be noted that nearly one-third of the total deaths occur during the first week of life. Premature birth accounted for 6 of these deaths, infectious diseases 1, marasmus 12, tubercular diseases 6, lung diseases 9, and various other causes for the remainder.

Zymotic Deaths.—The total number of these is 31: 5 being from measles, 1 from scarlet fever, 7 from diphtheria or croup, 3 from typhoid fever, 9 from diarrhœa, 1 from puerperal fever, and 2 from erysipelas, and 3 from influenza. Five deaths occurred in the Infectious Diseases Hospital, viz.: 4 diphtheria, and 1 typhoid fever.

The zymotic rates were calculated upon the 7 principal zymotic diseases, which are: Smallpox, measles, scarlet fever, diphtheria, whooping cough, typhus and typhoid fever, and diarrhœa.

The number of deaths from these causes is 21, and the rate per 1,000 is ·8.

Zymotic Diseases.—The total number of these occurring in the district was 135, more than half being scarlet fever, viz., 72: there were 29 diphtheria, 20 erysipelas, 8 enteric fever, and 6 puerperal fever. Of these cases 62 were sent to the Infectious Diseases Hospital, 41 being scarlet fever, 16 diphtheria, and 5 enteric fever.

The incidence of infectious disease was heaviest during the last quarter of the year—the totals for the four quarters in sequence being 29, 26, 19 and 61.

The bulk of the cases were **Scarlet Fever,** and occurred between the ages of 3 and 15, which is significant as being the school ages, and the preponderence of the diphtheria cases is also during the school age, which confirms the opinion that schools are the great disseminating factor of infectious diseases amongst children.

The scarlet fever was of an exceedingly mild character, and was widely spread over the whole district with a greater incidence in the Semi-Urban Districts, such as Barnton, Lostock, Winnington and Weaverham.

The same remarks as to the prevalence of scarlet fever apply also to diphtheria, in fact during the third quarter they seemed to go hand in hand. The diphtheria was, however, not so uniformly mild in character, many of the cases being severe and 5 proving fatal.

School Closure.—The Barnton National School was closed on November 20th, as 10 of the scholars were suffering from scarlet fever; the closure was enforced until after the 'Xmas holidays, and certainly with a good effect upon the further outbreak of cases in the village.

Supply of Antitoxin.—Arrangements have been made whereby any Practitioner can obtain a supply of antitoxin free of cost, by furnishing the name and address of the patient, the Council reserving the right to charge the recipients if they are deemed not to be necessitous persons.

Factories and Workshops.—The number of these is 186, 2 being workplaces, 25 are bakehouses, only 1 of which is underground, and that is only "underground" on one face, being built into a bank.

These have been inspected regularly and kept limewashed and in sanitary condition. Seven nuisances have been dealt with, and one prosecution for smoke nuisance.

The conditions throughout the district are good.

Two **Homeworkers** reside in this district, but take their work from other districts. Their premises are excellent.

Water Supplies.—Of 19 samples of water which have been analysed by the County Analyst, 9 have proved bad. Four of these were from Higher Cuddington, and a new water supply is in process of construction.

In 2 more of these, water has been provided from tanks, and the remaining 3 samples were from new wells for new houses, but other water has been found and provided.

An extension of water supply has been carried out at Anderton.

The water supply at Barnton is exceptional in being drawn from springs very near the surface, in fact, much of it is surface water, and a rent has been paid to the farmer who occupies the gathering ground to compensate him for not ploughing up or manuring the ground—this he now seeks to set aside, and it behoves the Sanitary Authority to secure the grass surface from being broken up and manured at any cost, as the risk to some 3,000 souls will be exceedingly great.

In fact, so grave is the matter, that steps should be taken either to secure these rights in perpetuity or to cast about for another water supply.

Sewerage Works.—A new works has been completed at Barnton during the year, to deal with the sewerage of the low-lying portions of the village; it is an up-to-date installation on the septic tank principle.

Those to the other townships have been maintained in efficient order.

Housing.—The number of plans passed for new houses is 48, but it gives no idea of the almost desperate need there is for new houses in this as in other districts. The depopulation of the Country would not be a matter for consideration if any "Country" could be obtained, but suppose any eligible ratepayer wishes to come into the Country he cannot get a house or a cottage, he cannot get a small holding, and he cannot get a plot of land upon which to build a house; there is no village green or common upon which he can rest in 9 out of 10 villages, and in fact the only Country open is the dusty high road or the public house, and yet we hear all kinds of reasons piously expressed why the "Rural Depopulation" goes on. Let the Municipal Authorities acquire land and let it on reasonable terms for building or cultivating, and there will soon be as fine a peasantry in England as ever there was.

In addition to the plans for new houses, there were 4 for additions to houses, 2 for farm buildings, 1 workshop, 1 slaughter-house, 1 clubroom, and 1 bothy.

Against this, there were 11 houses condemned by the Medical Officer as unfit for habitation: Barnton 4, Lostock 6, and Crowton 1.

In one case a summons was taken out before the Justices, and adjourned by them to give the owner more time to effect the necessary repairs which was eventually done.

Canal Boats have received the attention of the Inspector, and of 60 inspected, 40 were conforming with the regulations, and 20 others were not doing so, of these 19 were remedied and 1 is pending.

Slaughter-houses.—There are now 22 of these on the register, a new one having been built during the year.

In some of the townships there have been cases of slaughtering in most improper and unsuitable places, and some amendment of the law granting more real power over slaughter-houses is a real and grave requirement, as in outlying districts it becomes impossible to control the sale of the meat in any way.

HENRY EDWARD GOUGH,

Medical Officer of Health.

February, 1907.

TABLE I.

Year.	Population estimated to Middle of each Year.	Births.		Deaths under One Year of Age.		* Deaths at all Ages. Total.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	Deaths at all Ages. Nett.	
		Number	Rate.*	Number	Rate per 1,000 Births registered.	Number	Rate.*				Number	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1896	22,501	834	37·0	105	126	342	15·4	...	6	...	336	14·9
1897	22,768	781	34·3	111	144	370	16·6	...	10	2	362	15·8
1898	22,568	686	30·4	106	154	345	15·8	...	14	2	333	14·7
1899	22,826	612	26·8	88	143	329	14·8	...	12	2	319	13·9
1900	23,500	636	27·0	69	108	299	12·7	...	3	6	302	12·8
1901	22,174	620	27·9	89	143	287	12·8	2	...	5	292	13·1
1902	22,280	603	27·6	72	119	276	12·3	...	...	6	282	12·6
1903	22,650	625	27·5	68	108	247	10·4	4	...	13	260	11·4
1904	23,175	588	25·3	61	103	313	13·5	8	3	5	315	13·5
1905	23,400	567	24·2	63	111	311	13·2	6	2	9	318	13·5
Averages for years 1896-1906.	22,784	655	28	83	125	311	13·2	...	...	...	311	13·0
1906	23,700	590	24·4	60	101	268	11·3	5	2	3	269	11.3

*Rates in columns 4, 8 and 13, calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 54,301.

Total population at all ages, 20,923.
Number of inhabited houses, 4,485.
Average number of persons per house, 4·6.
} At Census of 1901.

Institutions within the District receiving sick and infirm persons from outside the District .. .. } Infectious Hospital at Leftwich.

Institutions outside the District receiving sick and infirm persons from the District .. .. .. } Union Workhouse, Northwich.
Victoria Infirmary, Northwich.
Albert Infirmary, Winsford.
Tuebrook Asylum, Liverpool.

TABLE II.

Names of Localities.	Weaverham.				Northwich.				Over.				Middlewich.			
Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.
	a.	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*
1896 ...	8561	299	137	44	8092	363	126	38	3089	88	46	15	2759	83	39	8
1897 ...	8671	295	143	28	8174	303	155	57	3133	92	45	14	2810	91	35	15
1898 ...	8944	252	135	31	7741	282	139	47	2991	76	45	16	2893	76	38	2
1899 ...	8940	248	120	28	7835	226	130	40	3003	80	45	13	3048	58	34	7
1900 ...	9093	232	137	32	8046	233	102	26	3086	83	36	6	3278	88	24	5
1901 ...	8612	255	111	38	7695	218	98	32	3061	69	39	8	3050	78	39	11
1902 ...	8616	211	99	19	7712	227	96	37	2880	88	51	5	3074	77	36	11
1903 ...	8760	257	103	24	7860	230	89	25	2900	68	36	10	3130	70	32	9
1904 ...	9060	220	137	20	8010	198	95	24	2940	89	39	10	3165	84	42	7
1905 ...	9125	218	147	23	8105	207	96	24	2970	90	44	7	3200	52	31	9
Averages of Years 1896 to 1906.	8838	248	126	28	797	248	112	35	3005	82	42	10	3040	75	35	8
1906 ...	9250	216	103	18	8210	208	102	27	2990	82	31	6	3250	84	32	9

TABLE III.

Cases of Infectious Disease notified during the Year 1906.

Notifiable Disease.	Cases Notified in Whole District. H.W.							Total Cases Notified in each Locality.						Number of Cases removed to Hospital from each Locality.						
	At all Ages.	At Ages—Years.						Weaverham. 1	Northwich. 2	Over. 3	Middlewich. 4	5	6	Weaverham. 1	Northwich. 2	Over. 3	Middlewich. 4	5	6	7
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.													
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	29	1	5	17	4	2	...	13	8	...	8	...	...	6	6	...	4	...	...	...
Membranous croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	20	...	...	1	...	16	3	12	2	5	1	...	...	...	...	...	...	...	...	...
Scarlet fever	72	1	21	43	5	2	...	43	26	2	1	...	...	24	17	...	...	...	...	...
Typhus fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric fever	8	...	1	3	2	2	...	2	6	...	...	...	...	1	4	...	...	...	...	...
Relapsing fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever	6	...	...	...	1	5	...	2	3	1	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	135	2	27	64	12	27	3	72	45	8	10	...	...	31	27	...	4	...	...	...

TABLE IV.

Causes of, and Ages at, Death during the Year 1906.

Causes of Death.	Deaths in whole District at subjoined ages.							Deaths in Localities (at all ages).						Deaths in Public Institutions.
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Weaverham.	Northwich.	Over.	Middlewich.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	16
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	5	1	4	..	..	..	..	..	5	..	..	..	..	..
Scarlet fever	1	..	..	1	..	..	..	..	..	1	..	..	..	..
Whooping-cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and membranous croup	5	..	4	1	..	..	..	3	2	..	..	..	..	4
Croup	2	..	2	..	..	..	..	..	2	..	..	..	..	..
Fever — Typhus	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever — Enteric	3	..	..	1	1	1	..	2	..	..	1	..	..	1
Fever — Other continued	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza	3	1	..	..	..	1	1	2	1	..	..	..	..	..
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	5	4	..	..	..	..	1	1	3	..	1	..	..	..
Enteritis	4	2	1	..	..	..	1	2	2	..	..	..	..	..
Puerperal fever	1	..	..	..	..	1	..	1	..	..	..	..	..	..
Erysipelas	2	1	..	..	..	1	..	2	..	..	..	..	..	..
Other septic diseases	1	..	..	..	1	..	..	1	..	..	..	..	..	..
Phthisis	20	..	1	..	6	13	..	8	6	3	3	..	..	..
Other tubercular diseases	11	6	2	1	..	1	1	4	6	1	..	..	..	..
Cancer, malignant disease	12	..	..	..	..	5	7	4	6	..	2	..	..	..
Bronchitis	15	4	..	..	..	3	8	7	6	1	1	..	..	..
Pneumonia	18	4	3	..	1	9	1	9	5	2	2	..	..	..
Pleurisy	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of respiratory organs	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholism—Cirrhosis of liver	5	..	..	..	..	2	3	3	2	..	..	..	..	..
Venereal diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature birth	6	6	..	..	..	..	..	1	2	3	..	..	..	..
Diseases and accidents of Parturition	3	..	..	..	..	3	..	2	1	..	..	..	..	..
Heart diseases	19	1	..	..	..	8	10	6	8	3	2	..	..	..
Accidents	13	..	1	1	2	8	1	1	7	3	2	..	..	..
Suicides	1	..	..	..	..	1	..	..	..	..	1	..	..	..
Old Age	34	..	..	..	..	..	34	16	9	4	5	..	..	..
Convulsions	6	4	2	..	..	..	..	2	2	..	2	..	..	..
Marasmus	7	7	..	..	..	..	..	5	2	..	..	..	..	..
All other causes	66	19	1	3	1	22	20	21	25	10	10	..	..	..
All causes	268	60	21	8	12	79	88	103	102	31	32	..	..	5

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1906.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified	4	1	1	..	6	2	1	3	..	1	..	..	..	2	3	..	18
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteritis, Muco do., Gastro do.	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases:																	
Premature Birth	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Congenital Defects	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	3	..	1	..	4	2	..	..	..	1	..	..	..	..	..	..	7
Tuberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
Other Causes:																	
Erysipelas	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis *(not Tuberculous)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	2
Bronchitis	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
	4	1	1	..	6	2	1	3	..	1	..	..	..	2	3	..	18

District of Weaverham.

Population Estimated to middle of 1906—9,250.

Births in the year { legitimate—208. illegitimate—8. } Deaths in the year of { legitimate infants—18. illegitimate infants—0. }

Deaths from all Causes at all Ages—103.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1906.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified	7	..	2	..	9	1	4	3	1	1	2	1	1	2	1	1	27
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	..	3
Enteritis, Muco do., Gastro do.	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases:																	
Premature Birth	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2
Congenital Defects	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	2
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	3
Tuberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	2
Other Causes:																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis *(not Tuberculous)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Bronchitis	..	..	..	..	..	..	2	..	..	..	1	..	..	..	..	..	3
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	1	..	2	..	3	..	1	1	1	..	1	..	..	..	..	..	7
	7	..	2	..	9	1	4	3	1	1	2	1	1	2	1	1	27

District or (Sub-district) of Northwich.

Population Estimated to middle of 1906—8,210.

Births in the year { legitimate—197. illegitimate—11. } Deaths in the year of { legitimate infants—23. illegitimate infants—4. }

Deaths from all Causes at all Ages—102.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1906.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteritis, Muco do., Gastro do.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases:																	
Premature Birth	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	3
Congenital Defects	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Tuberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes:																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis *(not Tuberculous)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4	..	..	..	4	1	..	1	..	..	..	..	..	..	..	..	6

District of Over.

Population Estimated to middle of 1906—2,990.

Births in the year { legitimate—80. illegitimate—2. } Deaths in the year of { legitimate infants—6. illegitimate infants— . }

Deaths from all Causes at all Ages—31.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1906.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified	3	1	1	..	5	..	..	1	..	1	1	..	..	1	..	..	9
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Enteritis, Muco do., Gastro do.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases:																	
Premature Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congenital Defects	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury at Birth	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Tuberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes:																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis *(not Tuberculous)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	1	..	1	..	..	..	..	..	..	..	..	1	..	..	2
Bronchitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	2
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	1	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2
	3	1	1	..	5	..	..	1	..	1	1	..	..	1	..	..	9

District of Middlewich.

Population Estimated to middle of 1906—3,250.

Births in the year { legitimate—79. illegitimate—5. } Deaths in the year of { legitimate infants—7. illegitimate infants—2. }

Deaths from all Causes at all Ages—32.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1906.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified	18	2	4	..	24	4	5	8	1	3	3	1	1	5	4	1	60
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	1	..	1	..	..	1	..	..	1	..	..	4
Enteritis, Muco do., Gastro do.	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	2
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases:																	
Premature Birth	6	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	6
Congenital Defects	1	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	3
Injury at Birth	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	8	..	1	..	9	2	..	..	..	1	..	..	..	..	..	..	12
Tuberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	3
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	3
Other Causes:																	
Erysipelas	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis *(not Tuberculous)*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	1	..	1	..	..	1	..	..	..	..	..	3	..	..	5
Bronchitis	..	..	..	..	..	..	2	1	..	..	1	..	..	..	..	..	4
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	..	..	1	..	1	..	..	1	..	2	..	5
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	2	1	2	..	5	..	1	1	1	..	1	..	..	..	1	..	10
	18	2	4	..	24	4	5	8	1	3	3	1	1	5	4	1	60

District of Northwich Rural.

Population Estimated to middle of 1906—23,700.

Births in the year { legitimate—564. illegitimate—26. } Deaths in the year of { legitimate infants—54. illegitimate infants—6. }

Deaths from all Causes at all Ages—268.

SUPPLEMENTARY TABLE I.—BIRTHS.

Rural Sanitary District of	1st Quarter.				2nd Quarter.				3rd Quarter.				4th Quarter.				Totals for Year.			
	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate
Weaverham	28	37	65		26	18	44		26	30	56		30	21	51		110	106	216	23·3
Northwich	26	30	56		20	30	50		30	24	54		27	21	48		103	105	208	24·1
Over	4	11	15		15	12	27		13	8	21		7	12	19		39	43	82	27·4
Middlewich	9	9	18		10	11	21		14	8	22		14	9	23		47	37	84	25·8
Totals for Quarters...	67	87	154	25·9	71	71	142	23·9	83	70	153	25·8	78	63	141	23·8	299	291	590	24·4
Births of Illegitimate Children	W. 1 M. 1 F. N. 3 M. O. 1 F. M. 1 F.				W. 1 F. N. 1 M. 2 F. M. 1 N.				W. 1 M. 1 F. N. 1 F. O. 1 M. M. 2 M. 1 F.				W. 1 M. 1 F. N. 3 M. 1 F.				W. 4 M. 4 F. N. 7 M. 4 F. O. 1 M. 1 F. M. 3 M. 2 F. Total 26 Rate—1·09 per 1,000 pop., or 4·4% of births			

SUPPLEMENTARY TABLE II.—DEATHS.

	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Totals for Year.	Rate.
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Per Thousand.
Weaverham	31		29		19		24		103	11·1
Northwich	38		23		20		21		102	12·4
Over	8		6		9		8		31	10·3
Middlewich	9		10		5		8		32	9·8
Whole District..	86	14·5	68	11·4	53	8·9	61	10·2	268	11·3

Factories, Workshops, Laundries, Workplaces and Homework.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
1	2	3	4
Factories .. .. (Including Factory Laundries).	..	..	..
Workshops .. .. (Including Workshop Laundries).	184	1	..
Workplaces .. .. (Other than Outworkers' premises included in Part 3 of this Report).	2	..	..
Total	186	1	..

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
1	2	3	4	5
*Nuisances under the Public Health Acts :**				
Want of cleanliness	..	..	..	..
Want of ventilation	..	..	..	..
Overcrowding	..	..	..	..
Want of drainage of floors	1	1	..	..
Other nuisances	6	6	..	..
†Sanitary Accommodations — insufficient	..	..	..	..
†Sanitary Accommodations — unsuitable or defective .	..	..	..	..
†Sanitary Accommodations — not separate for sexes ..	..	..	..	..
Offences under the Factory and Workshop Act :				
Illegal occupation of underground bakehouse (S. 101)	..	..	..	..
Breach of special sanitary requirements for bakehouses (SS. 97 to 100). ..	..	..	..	..
Other offences .. .. (Excluding offences relating to outwork which are included in Part 3 of this Report).	..	..	..	..
Total	7	7	..	..

*Including those specified in Sections 2, 3, 7 and 8, of the Factory and Workshop Act as remediable under the Public Health Acts.

†For districts not in London state here whether Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; and if so, what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

Nature of Work.	Outworkers' Lists, Section 107.					
	Lists received from Employers.				Numbers of Addresses of Outworkers received from other Councils.	Numbers of Addresses of Outworkers forwarded to other Councils.
	Twice in the year.		Once in the year.			
	Lists.	Outworkers	Lists.	Outworkers		
1	2	3	4	5	6	7
Wearing Apparel :						
(1) making, &c.	....	....	....	....	2	....
(2) cleaning and washing .	....	....	....	....	....	....
Lace, lace curtains and nets ..	....	....	....	....	....	....
Furniture and Upholstery ..	....	....	....	....	....	....
Fur pulling	....	....	....	....	....	....
Umbrellas	....	....	....	....	....	....
Paper Bags and Boxes ..	....	....	....	....	....	....
Brush making	....	....	....	....	....	....
Stuffed Toys	....	....	....	....	....	....
File making	....	....	....	....	....	....
Electro Plate	....	....	....	....	....	....
Cables and Chains	....	....	....	....	....	....
Anchors and Grapnels.. ..	....	....	....	....	....	....
Cart Gear	....	....	....	....	....	....
Locks, Latches and Keys ..	....	....	....	....	....	....
Total	....	....	....	....	2	....

4.—REGISTERED WORKSHOPS.

	Workshops on the Register (S. 131) at the end of the year.	Number.
	1	2
Important classes of workshops, such as workshop bakehouses, may be enumerated here.	Bakehouses	26
	Others	98
	Total number of workshops on Register.	124

WORK.

Prosecutions.		Number of Inspections of Outworkers premises.	Outwork in Unwholesome Premises, Section 108.			Outwork in Infected Premises, Sections 109, 110.		
Failing to keep or permit inspection of lists.	Failing to send lists.		Instances.	Notices served.	Prosecutions.	Instances.	Orders made (Section 110).	Prosecutions (Sections 109, 110).
8	9	10	11	12	13	14	15	16
....	....	2	....	....	....	....	....	....
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5.—OTHER MATTERS.

Class.	Number.
1	2
Matters notified to H.M. Inspector of Factories :	
Failure to affix Abstract of the Factory and Workshop Act (S. 133) ..	....
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5) — Notified by H.M. Inspector ..	....
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5) — Reports (of action taken) sent to H.M. Inspector	....
Other	....
Underground Bakehouses (S. 101) :	
Certificates granted during the year	....
In use at the end of the year	1